

CLAIMS

1. A tip holder for mounting at an outflow opening
5 (26) of a rotor (1) of a vertical shaft impact crusher,
said rotor (1) comprising a vertical rotor wall segment
(20) having a first wall portion (20a) being
substantially tangential in relation to the rotor (1) and
a second wall portion (20b) being angled in relation to
10 said first wall portion, said tip holder (50; 100; 200)
comprising

a holding part (52; 152; 252) for holding a wear tip
(36; 136; 236),

c h a r a c t e r i s e d in that

15 a fastening means (60, 62; 160, 162; 262) is
attached to the holding part (52; 152; 252), the
fastening means (60, 62; 160, 162; 262) being adapted to
extend along said first wall portion (20a) and through
said second wall portion (20b) from one side thereof, a
20 fixing means (78) being detachably fixable to the
fastening means (62; 162; 262) at the other side of said
second wall portion (20b).

2. A tip holder according to claim 1, wherein the
fastening means (60, 62; 160, 161, 162; 261, 262) extends
25 along the radially inner side of said first wall portion
(20a).

3. A tip holder according any one of claims 1 and 2,
wherein the tip holder (50; 200) comprises a securing
means (56, 58; 256, 258) for removably securing the tip
30 holder (50; 200) to a free vertical edge (76) of said
first wall portion (20a).

4. A tip holder according to claim 3, wherein said
securing means comprises a hook (56, 58; 256, 258)
adapted for gripping said edge (76) of said first wall
35 portion (20a).

5. A tip holder according to claim 2, wherein the
fastening means (60; 160) comprises at least one shoulder

(64, 66; 164, 166) adapted to hold a horizontal wear plate (10, 14) in position.

6. A tip holder according to claim 5, wherein the fastening means (60; 160) comprises a lower shoulder (66; 166) and an upper shoulder (64; 164) each being adapted to hold a horizontal wear plate (10, 14) in position.

7. A tip holder according to any one of the preceding claims, wherein the fastening means comprises a threaded bar (62; 161, 162; 261, 262) intended for extending along said first wall portion (20a) and through a hole (68, 70, 72; 168, 170) in said second wall portion (20b).

8. A tip holder according to claim 7, wherein the fixing means comprises a nut (78) which is adapted to provide a tensile stress in the threaded bar (62) when fixing said fixing means to the threaded bar (62) at said other side of the second wall portion (20b).

9. A tip holder according to any one of the preceding claims, wherein the fastening means comprises a surface (78, 62) adapted for the application of a force in a direction parallel to said first wall portion (20a).

10. A method of mounting a tip holder to an outflow opening (26) of a rotor (1) of a vertical shaft impact crusher, said rotor (1) comprising a vertical rotor wall segment (20) having a first wall portion (20a) being substantially tangential in relation to the rotor (1) and a second wall portion (20b) being angled in relation to said first wall portion (20a), said tip holder (50; 100; 200) comprising

a holding part (52; 152; 252) for holding a wear tip (36; 136; 236),

characterised in that

the tip holder (50; 100; 200) is guided along said first wall portion (20a) such that a fastening means (60, 62; 160, 161, 162; 261, 262) attached to the holding part (52; 152; 252) extends along said first wall portion

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(20a) and passes through said second wall portion (20b) from one side thereof, and

a fixing means (78) is fixed to the fastening means (62; 161, 162; 261, 262) at the other side of said second
5 wall portion (20b).